

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A white lamp system having comprising:  
[[[-]] a gas-discharge lamp with a color point in the green-blue,

[[[-]] an LED with a color point in the yellow-red, and  
[[[-]] an optical component for additive mixing of the light from the gas-discharge lamp and the LED,

the lamp and the LED being arranged in a housing so as to achieve additive mixing of the light by the optical component.

2. (Currently Amended) A The lamp system as claimed in Claim 1, characterized in that wherein the gas-discharge lamp is a fluorescent lamp.

3. (Currently Amended) A The lamp system as claimed in Claim 2, characterized in that wherein the fluorescent lamp is a low-pressure mercury-vapor lamp, on which in particular the that include at least one of phosphor BAM is applied for the generation of blue light and/or the and phosphor CAT is applied for the generation of green light.

4. (Currently Amended) A The lamp system as claimed in Claim 1, characterized in that wherein the LED is an inorganic LED, in particular a red-yellow-emitting AlGaInP LED or a red-emitting AlGaAs LED.

5. (Currently Amended) A The lamp system as claimed in Claim 1, characterized in that the lamp system is provided with a further comprising a control component for controlling the color point of the lamp system.

6. (Currently Amended) A The lamp system as claimed in Claim 5, characterized in that wherein the control component is designed to control the color point of the lamp system by controlling the

power of the gas-discharge lamp and/or the LED.

7. (Currently Amended) A The lamp system as claimed in Claim 5, characterized in that wherein the control component is designed to control the color point of the lamp system by controlling the mixing characteristics of the optical component.

8. (Currently Amended) A method of illumination comprising the following stages act of:

[[[-]]] generation of generating light with a color point in the green-blue by means of a gas-discharge lamp,

[[[-]]] generation of generating light with a color point in the yellow-red by means of an LED, and

[[[-]]] additive mixing of the light from the gas-discharge lamp and the LED by means of an optical component.

9. (New) A white lamp system comprising an optical component for additive mixing of light from a light source, wherein the light source consists of a gas-discharge lamp with a color point in the green-blue, and an LED with a color point in the yellow-red.

10. (New) The lamp system of Claim 9, wherein the gas-discharge lamp is a fluorescent lamp.

11. (New) The lamp system of Claim 9, wherein the fluorescent lamp is a low-pressure mercury-vapor lamp that include at least one of phosphor BAM for generation of blue light and phosphor CAT for generation of green light.

12. (New) The lamp system of Claim 9, wherein the LED is an inorganic red-yellow-emitting AlGaInP LED or a red-emitting AlGaAs LED.

13. (New) The lamp system of Claim 9, further comprising a control component for controlling the color point of the lamp system.

14. (New) The lamp system of Claim 13, wherein the control component is designed to control the color point of the lamp system by controlling power of the gas-discharge lamp and/or the LED.

15. (New) The lamp system of Claim 13, wherein the control component is designed to control the color point of the lamp system by controlling mixing characteristics of the optical component.